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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/581,871	07/16/2007	Ian Alderson	C2000-7002US	3924
37462 7590 01/06/2009 LOWRIE, LANDO & ANASTASI, LLP ONE MAIN STREET, SUITE 1100 CAMBRIDGE, MA 02142			EXAMINER TANG, KIET G	
			ART UNIT 4143	PAPER NUMBER
			NOTIFICATION DATE 01/06/2009	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/581,871	Applicant(s) ALDERSON, IAN	
	Examiner KIET TANG	Art Unit 4143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07/16/2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on _____ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>06/05/2006</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1 – 24 are pending.

Claim Objections

2. Claim 18 is objected to because it recites “to perform the method of any one of the preceding claims”. If claim 18 is an independent claim, then the Applicant is required to list out each limitation for claim 18. If claim 18 is a dependent claim, then the Applicant is required to identify the preceding claims that claim 18 is depending on. Appropriate correction is required.

3. For the purpose of this examination, the Examiner considers claim 18 as an independent claim.

Claim Rejections - 35 USC § 101

4. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

5. **Claims 18-24 are rejected under 35 U.S.C. 101 because the claims are directed towards non-statutory subject matter.**

6. In claim 18, Applicant discloses a program for enabling data from a plurality of remote data servers to be concurrently displayed by a browser. Program is not one of the four categories of invention and therefore claim 18 is not statutory.

7. Claims 19 to 22 are depending on claim 18 and therefore they are also rejected under 35 U.S.C. 101.

8. In claim 23, Applicant discloses a program for providing data from a plurality of remote data servers for concurrent display by a browser. Program is not one of the four categories of invention and therefore claim 23 is not statutory.

9. In claim 24, Applicant discloses a program for retrieving data from a remote data server for display at a browser. Program is not one of the four categories of invention and therefore claim 24 is not statutory.

Claim Rejections - 35 USC § 102

10. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

11. **Claims 1-2, 11-14, 17, and 18-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Caplin (Pub. No.: US 2004/0139223 A1), hereinafter Caplin.**

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12. With respect to claim 1, **Caplin** teaches a method of providing data from a plurality of remote data servers for concurrent display by a browser ([0003], lines 1-8), the method comprising the steps of: receiving a symbol representing a data selection ([0002], lines 5-16, [0027], lines 9-12); mapping said symbol to respective symbols used by each of the data servers to represent said data selection ([0002], lines 5-16, [0027], lines 9-12); sending the mapped symbols to their respective data servers ([0003], lines 1-8, [0027], lines 9-12); receiving data corresponding to the mapped symbols from each of the data servers ([0003], lines 1-8, [0027], lines 9-12); and displaying the received data concurrently within a browser window ([0003], lines 1-8, [0027], lines 9-12).

13. With respect to claim 2, **Caplin** teaches a method according to claim 1, wherein the browser window is divided into a plurality of frames (Figure 7, [0032], lines 1-3), each frame displaying data from one of the data servers (Figure 7, [0032], lines 1-3), the method comprising automatically changing the data in one or more of the frames in response to a symbol entered by a user in one of the other of the plurality of frames ([0003], lines 1-8, [0004], lines 1-4).

14. With respect to claim 11, **Caplin** teaches a method of retrieving data from a remote data server for display at a browser ([0007], lines 1-8), the method comprising: receiving a first symbol representing a first data selection ([0002], lines 5-16, [0027], lines 9-12); transforming said first symbol to a second symbol ([0027], lines 9-12); synthesising said second symbol with a resource identifier identifying the location of the

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data server to provide a link to the data server ([0027], lines 1-12); initiating a connection to the data server via the synthesised link ([0027], lines 9-12); receiving a response from the data server ([0007], lines 1-8); and determining whether the response provides a second data selection corresponding to the first data selection ([0031], lines 1-14).

15. With respect to claim 12, **Caplin** teaches a method according to claim 11, comprising transforming the first symbol to the second symbol by selecting the second symbol from one of a plurality of predefined symbols ([0027], lines 9-12).

16. With respect to claim 13, **Caplin** teaches a method according to claim 11, comprising transforming the first symbol to the second symbol in a predetermined manner ([0027], lines 1-12).

17. With respect to claim 14, **Caplin** teaches a method according to any one of claims 11 to 13, further comprising adding the data server to a list of available information service providers in the event that the second data selection corresponds to the first data selection ([0004], lines 1-4, [0005], lines 1-4).

18. With respect to claim 17, **Caplin** teaches a method according to any one of the preceding claims, wherein the data is real-time streamed data ([0026], lines 1-5).

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19. With respect to claim 18, **Caplin** teaches a program for enabling data from a plurality of remote data servers to be concurrently displayed by a browser, the program being operative, when downloaded to the browser, to perform the method of any one of the preceding claims ([0003], lines 1-8).

20. With respect to claim 19, **Caplin** teaches a program according to claim 18, wherein the program includes mapping information for use in the step of mapping the received symbol ([0002], lines 5-16, [0027], lines 9-12).

21. With respect to claim 20, **Caplin** teaches a program according to claim 18, further comprising means for retrieving mapping information from a client computer on which the program is running for use in the step of mapping the received symbol ([0027], lines 1-12).

22. With respect to claim 21, **Caplin** teaches a program according to claim 18, further comprising means for retrieving mapping information from a remote server for use in the step of mapping the received symbol ([0027], lines 1-12).

23. With respect to claim 22, **Caplin** teaches a program according to any one of claims 18 to 21, wherein the mapping information comprises a mapping algorithm ([0027], lines 1-12).

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24. With respect to claim 23, **Caplin** teaches a program for providing data from a plurality of remote data servers for concurrent display by a browser ([0003], lines 1-8), the program comprising: means for receiving a symbol representing a data selection ([0002], lines 5-16, [0027], lines 9-12); means for mapping said symbol to respective symbols used by each of the data servers to represent said data selection ([0002], lines 5-16, [0027], lines 9-12); means for sending the mapped symbols to their respective data servers ([0003], lines 1-8, [0027], lines 9-12); means for receiving data corresponding to the mapped symbols from each of the data servers ([0003], lines 1-8, [0027], lines 9-12); and means for displaying the received data concurrently within a browser window ([0003], lines 1-8, [0027], lines 9-12).

25. With respect to claim 24, **Caplin** teaches a program for retrieving data from a remote data server for display at a browser ([0007], lines 1-8), the program comprising: means for receiving a first symbol representing a first data selection ([0002], lines 5-16, [0027], lines 9-12); means for transforming said first symbol to a second symbol ([0027], lines 9-12); means for synthesising said second symbol with a resource identifier identifying the location of the data server to provide a link to the data server ([0027], lines 1-12); means for initiating a connection to the data server via the synthesised link ([0027], lines 9-12); means for receiving a response from the data server ([0007], lines 1-8); and means for determining whether the response provides a second data selection corresponding to the first data selection ([0031], lines 1-14).

Claim Rejections - 35 USC § 103

26. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

27. **Claims 3-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Caplin as applied to claim 1 above, in view of Lahti et al. (Patent No.: US 6,983,421 B1), hereinafter Lahti.**

28. With respect to claim 3, **Caplin** teaches the linked frames defining selected ones of the data servers to which mapped symbols are to be sent (Figure 7, [0032], lines 1-3). However, **Caplin** does not explicitly teach linking the frames in which data is to be automatically changed. **Lahti** teaches linking the frames in which data is to be automatically changed (column 19, lines 58-67, column 20, lines 1-10). It would have been obvious to one skilled in the art at the time of the invention was made to combine the teachings of **Lahti** to include the feature of linking the frames in which data is to be automatically changed into the teachings of **Caplin** to eliminate manually updating the web page content. The feature reduces the bandwidth consumption since only the information needed to update the web page, it reduces the time between user input initiating a configuration state change and display of updated GUI elements reflecting

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the state change, and it reduces the need for the client system to wait and check for updates.

29. With respect to claim 4, the combination of **Caplin** and **Lahti** teaches the linked frames are defined by the user (**Caplin**, [0004], lines 1-4, [0031], lines 10-14, [0032], lines 1-3).

30. With respect to claim 5, the combination of **Caplin** and **Lahti** teaches the step of retrieving mapping information for use in mapping the received symbol to symbols to be sent to each of the selected data servers (**Caplin**, [0027], lines 9-12).

31. With respect to claim 6, the combination of **Caplin** and **Lahti** teaches the mapping information comprises a mapping algorithm (**Caplin**, [0027], lines 1-12).

32. With respect to claim 7, the combination of **Caplin** and **Lahti** teaches the step of retrieving a resource identifier which identifies each of the selected data servers (**Caplin**, [0005], lines 1-7, [0027], lines 1-9).

33. With respect to claim 8, the combination of **Caplin** and **Lahti** teaches the resource identifier comprises a uniform resource locator address (url) (**Caplin**, [0027], lines 1-9).

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34. With respect to claim 9, the combination of **Caplin** and **Lahti** teaches for each of the selected data servers (**Caplin**, [0027], lines 9-12), synthesising a link to the corresponding data (**Caplin**, [0027], lines 9-12), the link comprising a synthesis of the resource identifier and the mapped symbol for the selected data server (**Caplin**, [0027], lines 9-12).

35. With respect to claim 10, the combination of **Caplin** and **Lahti** teaches using the link to send the mapped symbols to each of the selected data servers (**Caplin**, [0027], lines 9-12).

36. **Claims 15-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Caplin as applied to claim 11 above, in view of Moskowitz et al. (Pub No.: US 2002/0099602 A1), hereinafter Moskowitz.**

37. With respect to claim 15, **Caplin** does not explicitly teach in the event that the response does not provide a second data selection which corresponds to the first data selection, informing the user. However, **Moskowitz** teaches in the event that the response does not provide a second data selection which corresponds to the first data selection, informing the user ([0004], lines 1-3, [0005], lines 1-11). It would have been obvious to one skilled in the art at the time of the invention was made to combine the teachings of **Moskowitz** to include a feature of to inform the user in the event that the response does not provide a second data selection which corresponds to the first data

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selection into the teachings of **Caplin** so the user does not have to keep track of the data selection availability. This feature also allows the user to reconfigure the data selection when there are no responses from the data selection.

38. With respect to claim 16, the combination of **Caplin** and **Moskowitz** teaches in the event that the response does not provide a second data selection which corresponds to the first data selection (**Moskowitz**, [0004], lines 1-3, [0005], lines 1-11), using a different transformation to transform the first symbol to the second symbol and repeating the steps of synthesising a link to the data server (**Caplin**, [0027], lines 1-12), connecting to the data server, receiving a response from the data server and determining whether the response provides a selection which corresponds to the first data selection (**Caplin**, [0031], lines 1-14).

Conclusion

39. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KIET TANG whose telephone number is (571)270-7193. The examiner can normally be reached on Monday - Friday 8:00AM-5:00PM.

40. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, NABIL EL-HADY can be reached on (571)272-3963. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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41. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KT

12/30/2008

/THUHA T. NGUYEN/

Primary Examiner, Art Unit 2453